

10260A series Actuator Cam Replacement Instructions 51205553-501

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Summary

Enclosed is a cam kit. Use these cams to replace 10260A cams.

The kit contains 6 cams—4 are preassembled. Use this assembly for replacing up to four cams. If you want 5 or 6 cams you must add the 2 separate cams to the assembly.

Note: If you are replacing faulty cams, replace *all* the cams.

Procedure

See Table 1 for procedure.

WARNING

Disconnect power before accessing components inside the instrument.

ATTENTION

When working with circuit cards always protect against electrostatic discharge by wearing a grounded wrist strap.

Table 1 10260A Cam Installation Procedure

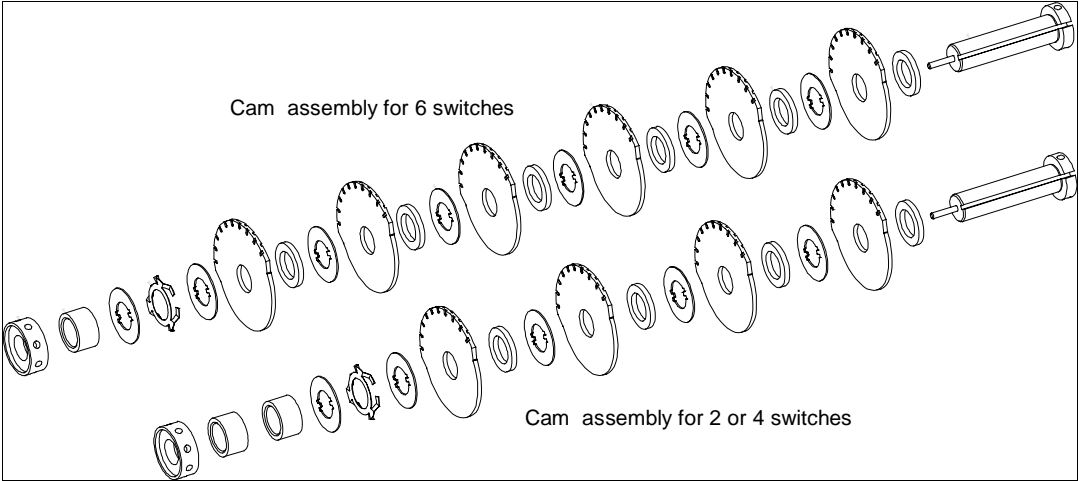
| Step | Action |
|------|--|
| 1 | Remove covers: <ul style="list-style-type: none">• Remove screws from top and top rear covers.• Remove covers. |
| 2 | Assemble cams: <ul style="list-style-type: none">• This kit contains 4 cams preassembled. If your instrument currently has more than 4 cams, add the extra cams to the 4-cam assembly, according to Figure 1. Extra spacers are provided to accommodate extra cams. <div data-bbox="360 625 1432 1102" style="border: 1px solid black; padding: 10px;"><p>The diagram shows two exploded views of cam assemblies. The top assembly is labeled 'Cam assembly for 6 switches' and consists of a long shaft with six cam discs mounted on it. The bottom assembly is labeled 'Cam assembly for 2 or 4 switches' and consists of a shorter shaft with two cam discs. Various spacers and washers are shown between the cam discs and the shaft to adjust the spacing.</p></div> <p style="text-align: center;">Figure 1 Exploded view of cam assembly</p> |

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| Step | Action |
|----------|--|
| <p>3</p> | <p>Side view Center cams on roller actuators of switches</p> <p>Ground wire</p> <p>6 switch assembly</p> <p>Ground wire</p> <p>233</p> <p>214</p> <p>216</p> <p>235</p> <p>Spoiler .050" hex</p> <p>234</p> <p>219</p> <p>236</p> <p>210</p> <p>Gasket</p> <p>Cam assembly (all 6 cams shown)</p> <p>155</p> <p>Figure 2 Exploded view of 10260A</p> <p>Remove hardware:</p> <ul style="list-style-type: none"> • With .050" hex wrench, loosen spoiler. See Figure 2. • Remove screw from non-contact sensor board frame. See Figure 2, item 235. Set the frame and board aside or on top of the instrument out of the way. |
| <p>4</p> | <p>Install new cams:</p> <ul style="list-style-type: none"> • Loosen 2 hex head screws holding cams to camshaft and remove the cam assembly. You may have to use a thin screwdriver to hold down the switch levers beneath the cams for removal. • Replace with the new cam assembly from step 2. Align cams with switches (see Figure 2) and tighten both set screws. |
| <p>5</p> | <p>Adjust cams:</p> <ul style="list-style-type: none"> • Adjust the cams according to document 62-86-25-06, 10260A Series Actuators with Non-Contact Position Sensing Installation, Operation and Maintenance Manual. Refer to calibration section. |

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| Step | Action |
|-------------|--|
| 6 | Reinstall hardware: <ul style="list-style-type: none"><li data-bbox="358 344 1417 428">• Install 4 screws securing bracket. See Figure 2, item 236. It is suggested you use a screwdriver that grips the screws to prevent dropping them. Do not use a magnetic screwdriver; you can damage the sensitive electronics nearby.<li data-bbox="358 449 1252 480">• Install screw to attach non-contact sensor board frame. See Figure 2, item 235. |
| 7 | Adjust the non-contact sensor. Refer to calibration section of document 62-86-25-06. |
| 8 | Re-gasket top and rear covers. Reattach covers. |
| 9 | This completes the procedure. |